

CLAIMS

1. A yarn for strands of an artificial turf ground cover, including a tape filament (4; 54) having a core layer (8; 58) and two outer layers (9; 59) of a different material than the core layer (8; 58) and co-extruded with the core layer (8; 58), each on one of two opposite sides of the core layer (8; 58),

5 the core layer (8; 58) containing polyester and/or polyolefin material, and

the outer layers (9; 59) containing high-density polyethylene.

2. A yarn according to claim 1, wherein the core layer (8; 58) contains polyethylene terephthalate or a polyolefin material from a group consisting of polypropylene, a mixture of polypropylene and rubber, a block copolymer of
10 polypropylene and polyethylene and linear low density polypropylene.

3. A yarn according to claim 1 or 2, wherein the aggregated thickness of the outer layers (9; 59) is at most 50% of the thickness of the yarn.

4. A yarn according to any one of the preceding claims, wherein the
15 thickness of each of the outer layers (9; 59) is less than 50 μm and preferably less than 20 μm .

5. A yarn according to any one of the preceding claims, wherein the material has been stretched in longitudinal direction at a stretching ratio of at least 1:3.

20 6. A yarn according to any one of the preceding claims, the yarn being of a monofilament tape construction.

7. A yarn according to any one of the preceding claims, wherein the tape filament (54) includes longitudinally extending grooves (60) extending through at least one of the outer layers (59) to the core layer (58).

25 8. A yarn according to claim 7, wherein the grooves are arranged pairwise diametrically opposite of each other in opposite sides of the tape filament (54).

9. A yarn according to claim 7 or 8, wherein the grooves (60) have bottom portions extending into the core layer (59).

30 the core layer (8; 58) containing at least polyester or polyolefin material, and

the outer layers (9; 59) containing high-density polyethylene.

10. An artificial turf ground cover including a substrate sheet (3) and strands (5) fastened to the substrate sheet (3) and projecting upwardly from

the substrate sheet (3), wherein the strands (5) are formed of a yarn according to any one of the preceding claims.

11. A ground cover according to claim 10, wherein bundles of the strands are cleaved apart portions of at least one tape filament (54) according to any one of the claims 7-9, projecting from a common tape filament portion in an area where the strands are fastened.

12. A playing field including a ground layer (1) and an artificial turf ground cover (2) according to claim 10 covering the ground layer (1).

13. A method for producing a yarn for forming strands of an artificial turf ground cover, including

extruding a core layer (8; 58) of at least polyester or polyolefin material, and

extruding outer layers (9; 59) containing high density polyethylene, and

bringing the layers (8, 9) in a multilayer configuration with the core layer (8; 58) between two of said outer layers (9; 59).

14. A method according to claim 13, wherein the extruding of said core layer (8; 58) and said outer layers (9; 59) and the bringing of said layers (8, 9) in said configuration is carried out simultaneously by co-extruding said layers (8, 9).

15. A method according to claim 13 or 14, wherein the material is stretched in longitudinal direction at a stretching ratio of at least 1:3.